

# LED Worker Origins & Destinations

-- Online GIS Mapping --

LED State Pilot Workshop

John Carpenter – Excensus LLC  
Washington DC - November 8-9, 2004

# Workforce Data “On-the-Map”

- Objectives:
  - Quick & easy internet access to small-area workforce maps showing travel patterns and worker characteristics.
  - Information that users want and in a format easily applied to workforce planning, client services, labor market analysis, and economic development.

# Intuitive Application Design

- Follows a Basic Four-step Process:
  1. Pick or draw a geographic area or location (on the map viewer).
  2. Choose from a set of available maps.
  3. View and modify a map and its tabular report.
  4. Save a copy to your local PC or network.

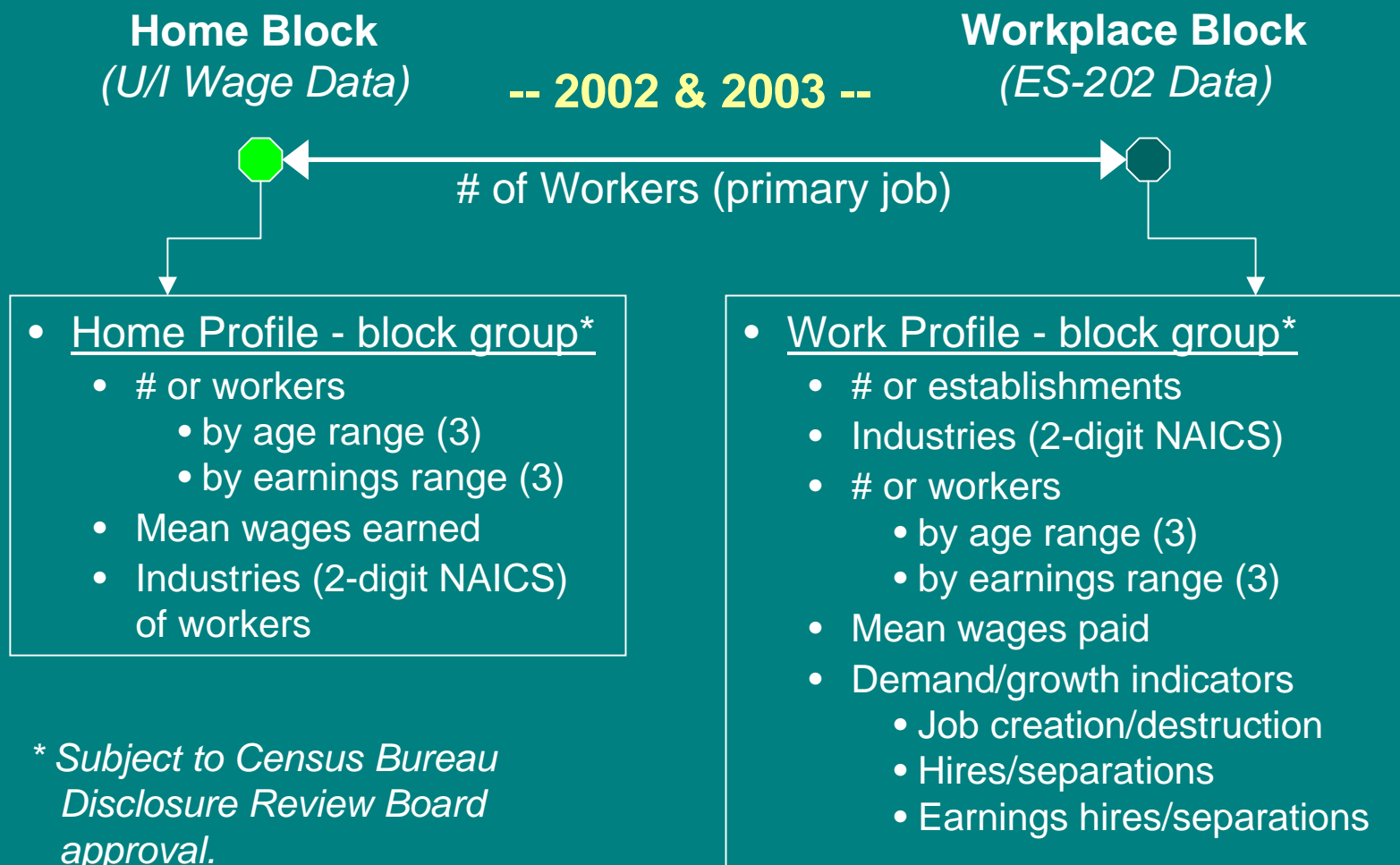
# Enhanced Controls

- Flexibility Where Needed:
  - Turn geographic layers on or off. Position the map view the way you want it.
  - If needed, apply multiple overlays.
  - Screen the maps based on selected block group attributes (e.g., worker ages, wages, industries, growth indicators)

# Enhanced Controls

- Flexibility Where Needed:
  - Produce custom reports with titles, legends, documentation, and commentary
  - Export summary data to a spreadsheet
  - Save settings – return later to the same spot

# LED Origin-Destination Database



# GIS Map Layers

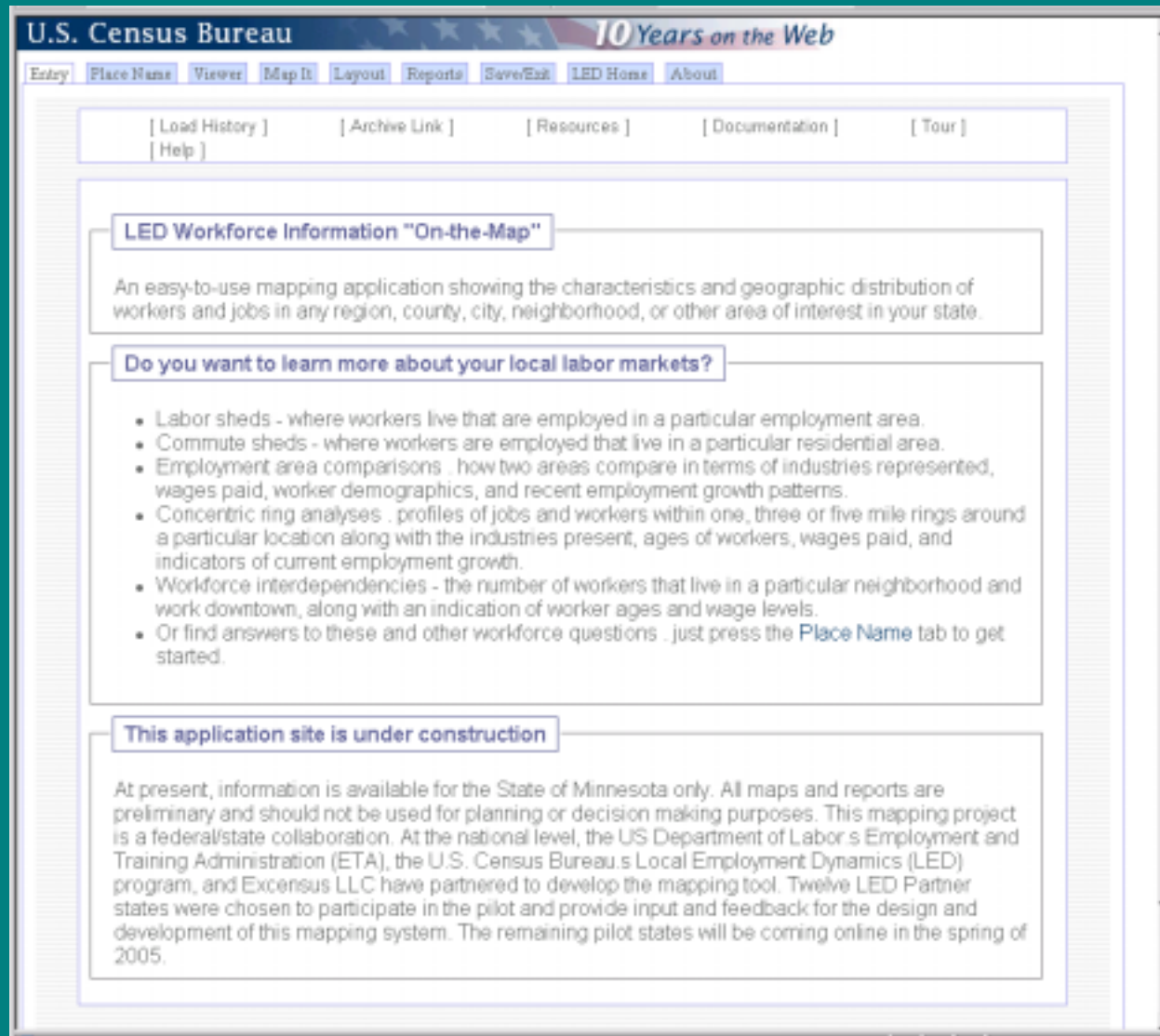
- **Base Geographic Layers**
  - Local roads, major highways & interstates
  - Lakes and rivers
  - State, county, city, and minor civil division (MCD) boundaries
  - US Census block and block group boundaries
- **State Add-On Layers**
  - State economic development regions
  - WIB workforce service areas
  - OneStop Career Centers
  - Colleges and training schools
    - Community colleges & technical colleges
    - Universities and four-year college
    - Other colleges and training centers

# Modular Tab Design

- **Entry** Application description and tutorial
- **Place Name** Shortcut to local area map
- **Viewer** Map viewer and navigation tools
- **Map-It** Pick or draw study area, choose map type & filter the results
- **Layout** Create finished maps and reports
- **Reports** View reports & download data
- **Save/Exit** Save session settings



# Entry Page



# Place Name Lookup

The screenshot shows a web browser window with the title "U.S. Census Bureau 10 Years on the Web". The browser's address bar is empty. The page has a navigation bar with the following links: Entry, Place Name, Viewer, Map It, Layout, Reports, Save/Edit, LED Home, and About. The "Place Name" link is highlighted. Below the navigation bar is a section titled "Place Name Lookup" with a text input field labeled "Enter a State, County or City:" containing the text "Morris". To the right of the input field is a "SEARCH" button. Below this is a section titled "Examples" containing a paragraph of text and a bulleted list of place names in Minnesota. At the bottom of the "Examples" section is another paragraph of text. The browser's status bar at the bottom shows the address "http://www.census.gov/10years/web/place\_name\_lookup.html" and the page size "100%".

U.S. Census Bureau 10 Years on the Web

Entry Place Name Viewer Map It Layout Reports Save/Edit LED Home About

**Place Name Lookup**

Enter a State, County or City:

**Examples**

Enter any place name in Minnesota and the map viewer will display a detailed map of that place. If you prefer, you can click on the **"Viewer"** tab (next on the row of tabs) and use the map viewer's navigation tools to locate a place directly on the map.

A few place names to try if you are unfamiliar with Minnesota:

- **"Hennepin"** - large urban county
- **"Aitkin"** - rural county (Note that the City of Aitkin also displays as an option.)
- **"Lakeville"** - a suburban Twin Cities city
- **"Morris"** - rural college community in northwest Minnesota. (Note that other options with the same root word are also displayed.)

When the application is fully developed, you will be able to type in any US place name and the map viewer will display that location for you.

# Place Name Lookup

U.S. Census Bureau *10 Years on the Web*

[Entry](#) [Place Name](#) [Viewer](#) [Map It](#) [Layout](#) [Reports](#) [Save/Exit](#) [LED Home](#) [About](#)

### Place Name Lookup

Enter a State, County or City:

### State Lookup Results

State(s):

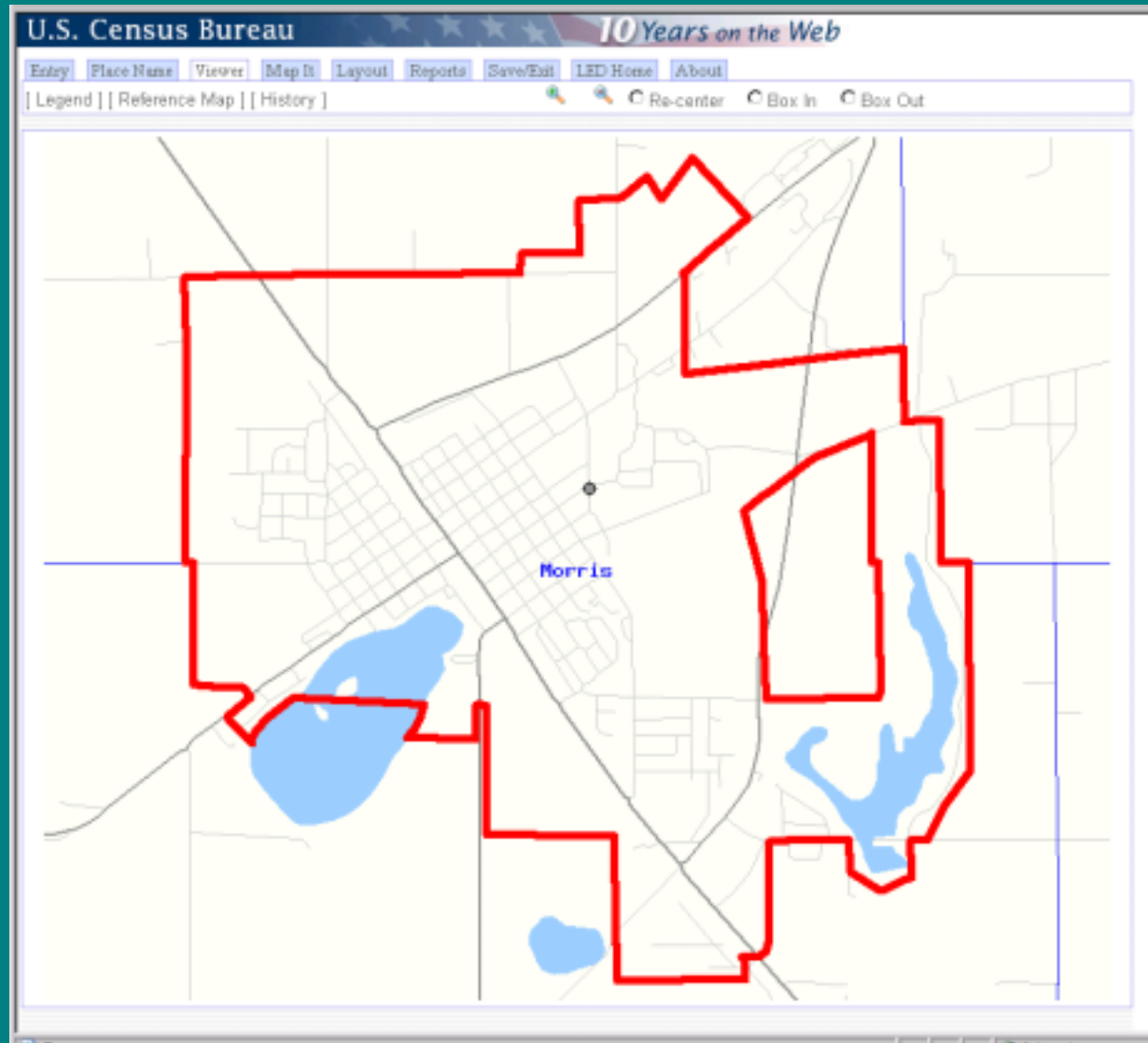
### County Lookup Results

County(s):

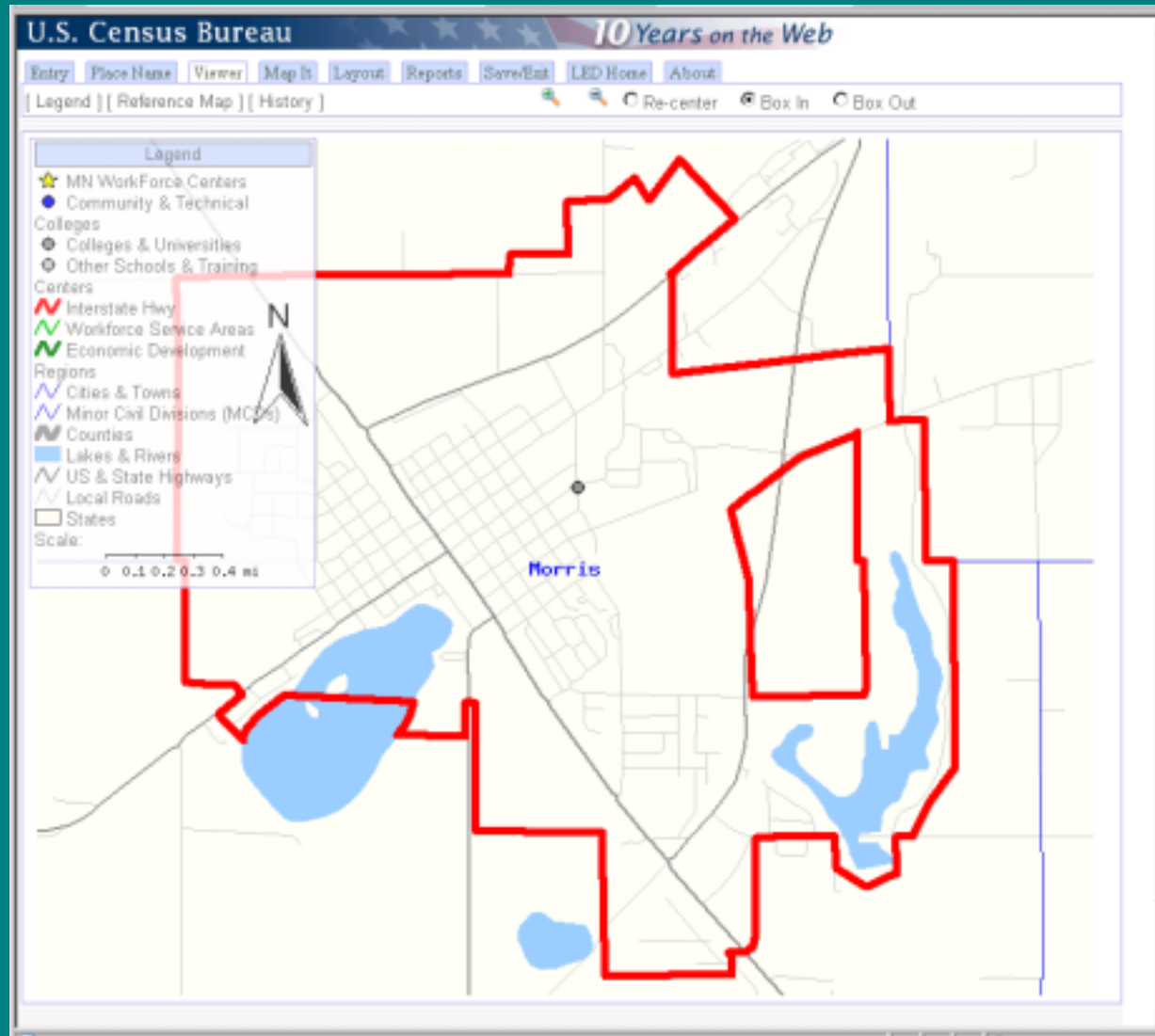
### City Lookup Results

City(s):

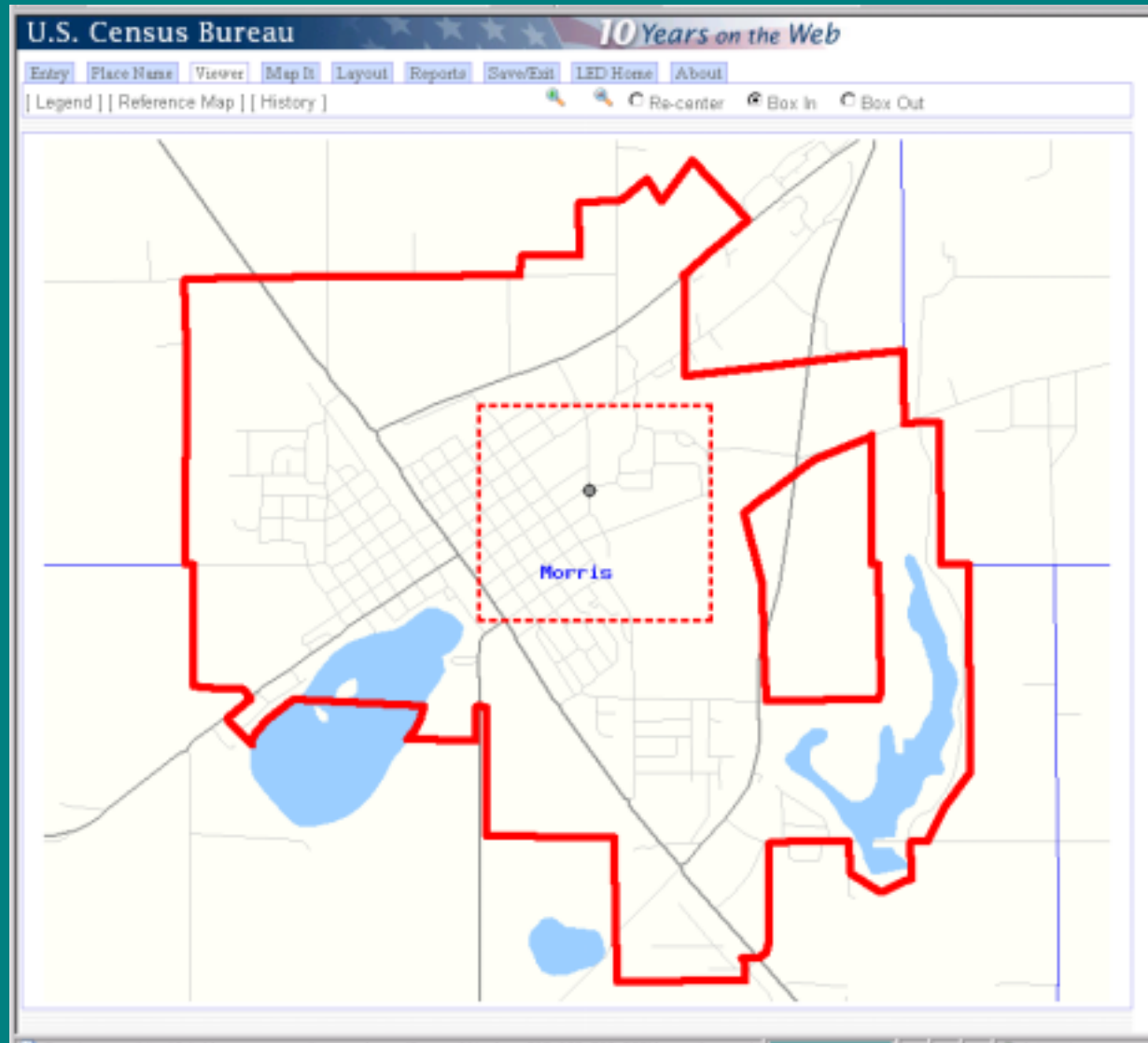
# Map Viewer



# Viewer with Legend



# Navigation Tools



# Area Selection Tools

- **Standard Areas (e.g., WIB areas)**
  - Click the area on the map
  - Pull from a place name list
- **Custom areas (e.g., neighborhood)**
  - Draw box
  - Pencil drawing tool
  - Spray paint tool
- **Building location (e.g., OneStop center)**
  - Point radius tool

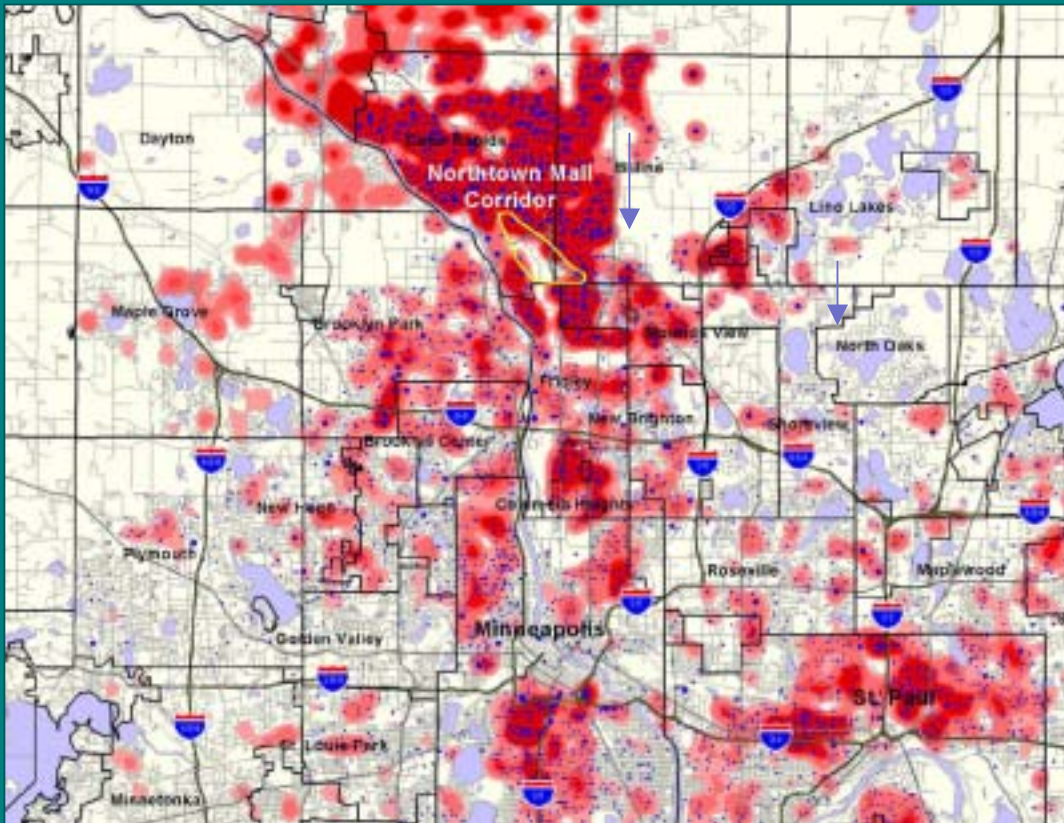
# Map Types

- Worker origin maps (labor shed)
- Worker destination map (Commute shed)
- Concentric circle map
- Employment shift map
- Area interdependencies map



# Sample Labor Shed Map

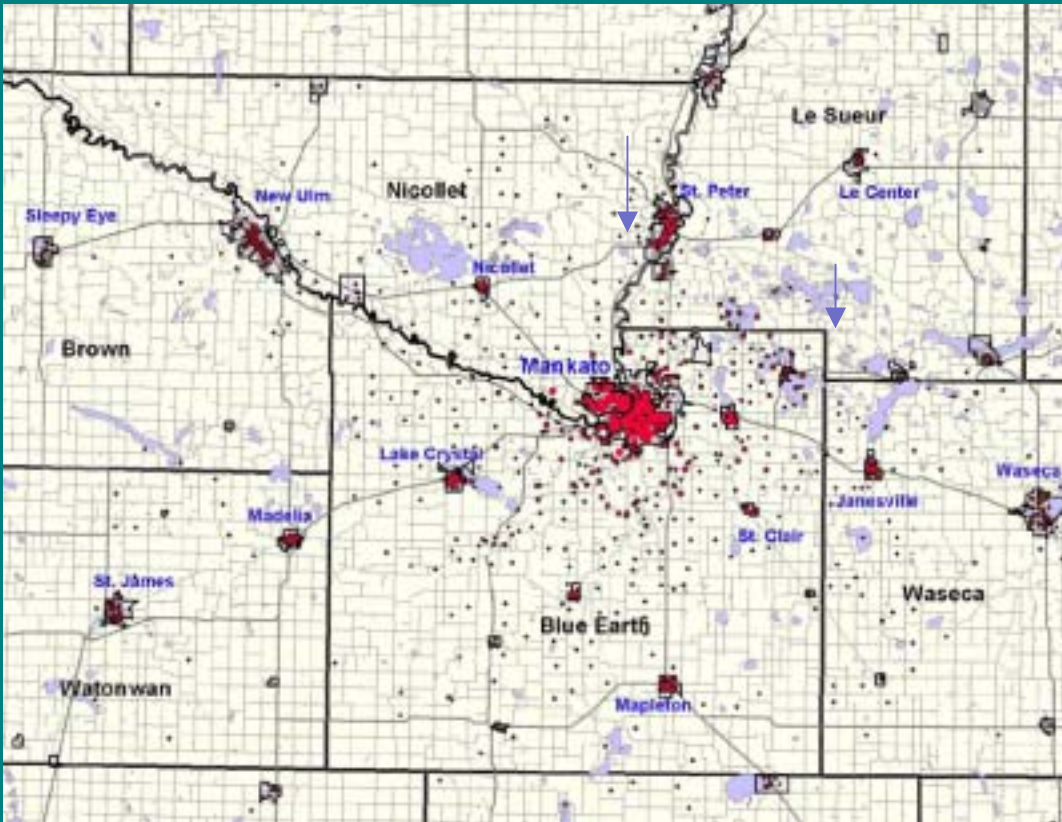
## Northtown Mall Corridor Area



- Displays home blocks for workers employed in the custom defined area
- Area defined using “pencil” draw tool & associated census blocks
- Red shaded “thermals” show areas of high worker density
- Dimensioned points show relative number of workers in specific home blocks

# Sample Labor Shed Map

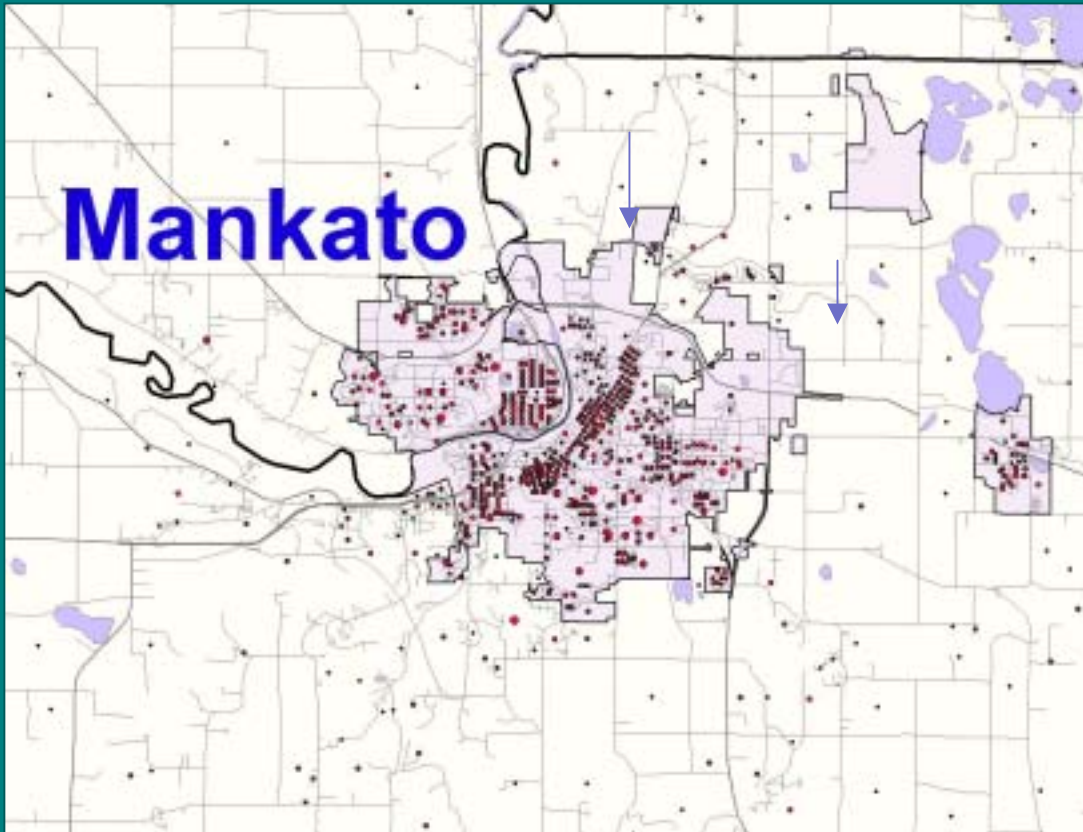
City of Mankato, MN



- Displays home blocks for workers employed in the selected city.
- The city was selected by clicking on the map.
- Thermals were switched off for this map.
- Dimensioned points show relative number of workers in specific home blocks

# Sample Labor Shed Map

City of Mankato, MN



- Close-in view showing location of workers that live and work in the Mankato area.

# Labor Shed Report Template

## Labor Shed Profile Report - Worker Origins and Workplace Characteristics

State Name > County Name > City or MCD Name > Custom Area Name

### Where Employees Live

	2002		2001		2002-2001	
	Count	Share	Count	Share	Change	Pct.
<b>Workers (Primary Job)</b>		100%		100%		-- %
<b>Live and Work</b>						
* In the same County		-- %		-- %		-- %
* In the same City/Township		-- %		-- %		-- %
<b>Places Supplying the Most Workers</b>						
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* All other cities ( <a href="#">click for list</a> )		-- %		-- %		-- %

### Industries Employing at least 20% of Workers (2-digit NAICS)

\* 00-00 - Industry Descriptor  
\* 00-00 - Industry Descriptor

\* 00-00 - Industry Descriptor

### Workplace Characteristics

	2002		2001		2002-2001	
	Count	Share	Count	Share	Change	Pct.
<b>Number of Employers</b>						
<b>Workers (Primary Job)</b>		100%		100%		-- %
<b>Workers by Age</b>						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
<b>Workers by Earnings Paid</b>						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
<i>Mean monthly earnings</i>	\$		\$		\$	-- %
<b>Employment Growth Indicators</b>						
New Hires (2nd Quarter)		-- %		-- %		-- %
* <i>Mean monthly earnings</i>	\$		\$		\$	-- %
Separations (2nd Quarter)		-- %		-- %		-- %
* <i>Mean monthly earnings</i>	\$		\$		\$	-- %

[Definitions, Sources and Disclaimers \(Click here\)](#)

**Download to  
Spreadsheet**

Note: Worker counts are based on the location of a worker's highest paying job during the indicated year.

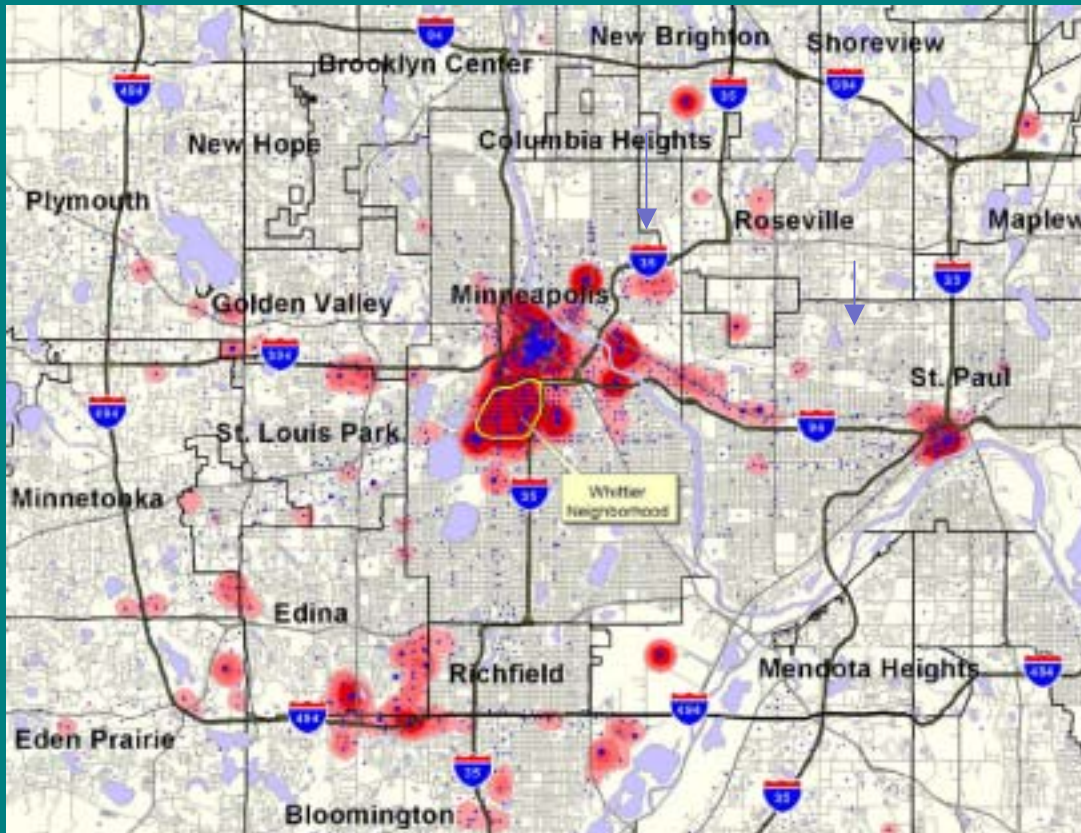
Date Stamp

Source: [LED Worker Origin/Destination Minnesota Database \(2001-2002\)](#)



# Sample Commute Shed Map

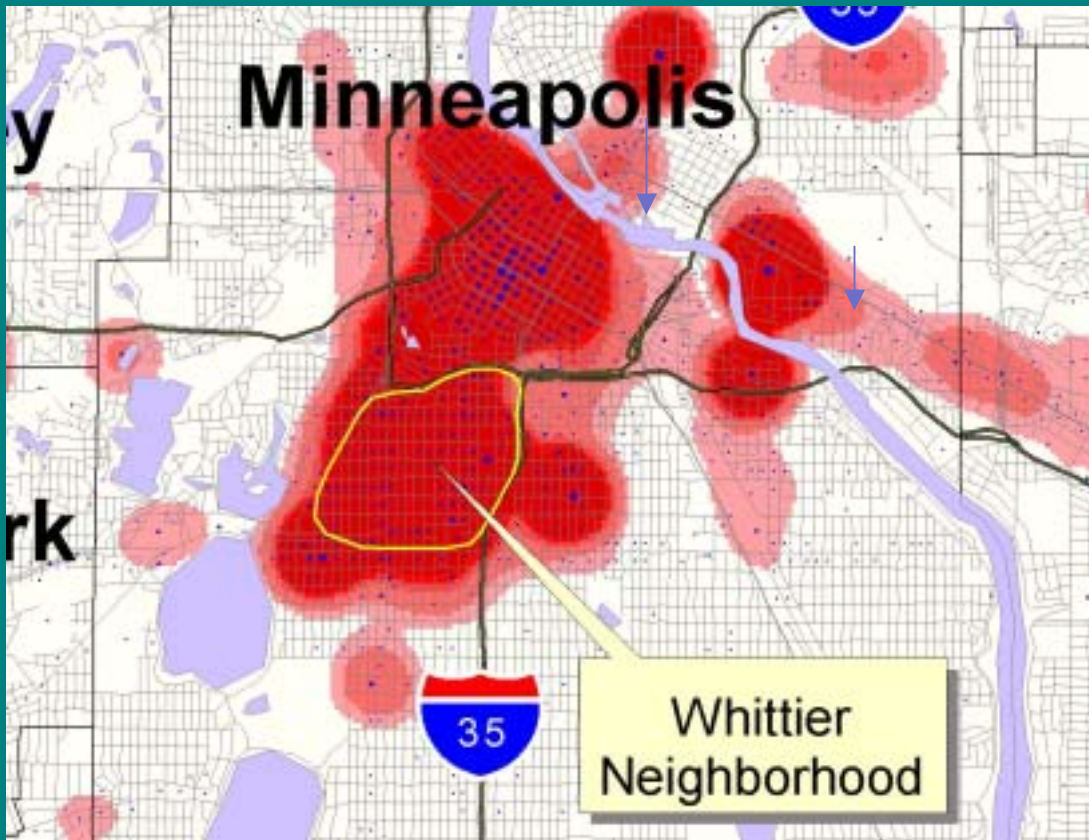
## Whittier Neighborhood



- Displays workplace blocks for workers living in the custom defined area
- Area defined using “pencil” draw tool & associated census blocks
- Red shaded “thermals” show areas of high worker density
- Dimensioned points show relative number of workers in specific workplace blocks

# Sample Commute Shed Map

## Whittier Neighborhood



- Close-in view showing workplace blocks (including Downtown Minneapolis) where Whittier workers are employed. The dots are sized based on the number of workers.

# Commute Shed Report Template

## Commute Shed Profile Report - Worker Destinations and Workforce Characteristics

State Name > County Name > City or MCD Name > Custom Area Name

### Where Workers are Employed

	2002		2001		2002-2001	
	Count	Share	Count	Share	Change	Pct.
Number of Employers						-- %
Workers (Primary Job)		100%		100%		-- %
Live and Work						
* In the same County		-- %		-- %		-- %
* In the same City/Township		-- %		-- %		-- %
Places Supplying the Most Workers						
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* All other cities ( <a href="#">click for list</a> )		-- %		-- %		-- %

### Local Labor Market

Employment (Primary)				-- %
Residents Employed In-Area				-- %
Local Labor Utilization	-- %	-- %		

### Resident Workforce Characteristics

	2002		2001		2002-2001	
	Count	Share	Count	Share	Change	Pct.
Workers (Primary Job)		100%		100%		-- %
Workers by Age						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
Workers by Wages Earned						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
Avg. annual earnings	\$		\$		\$	-- %

### Industries Employing at least 20% of Workers (2-digit NAICS)

- \* 00-00 - Industry Descriptor
- \* 00-00 - Industry Descriptor
- \* 00-00 - Industry Descriptor

[Definitions, Sources and Disclaimers \(Click here\)](#)

[Download to Spreadsheet](#)

Note: Worker counts are based on the location of a worker's highest paying job during the indicated year.

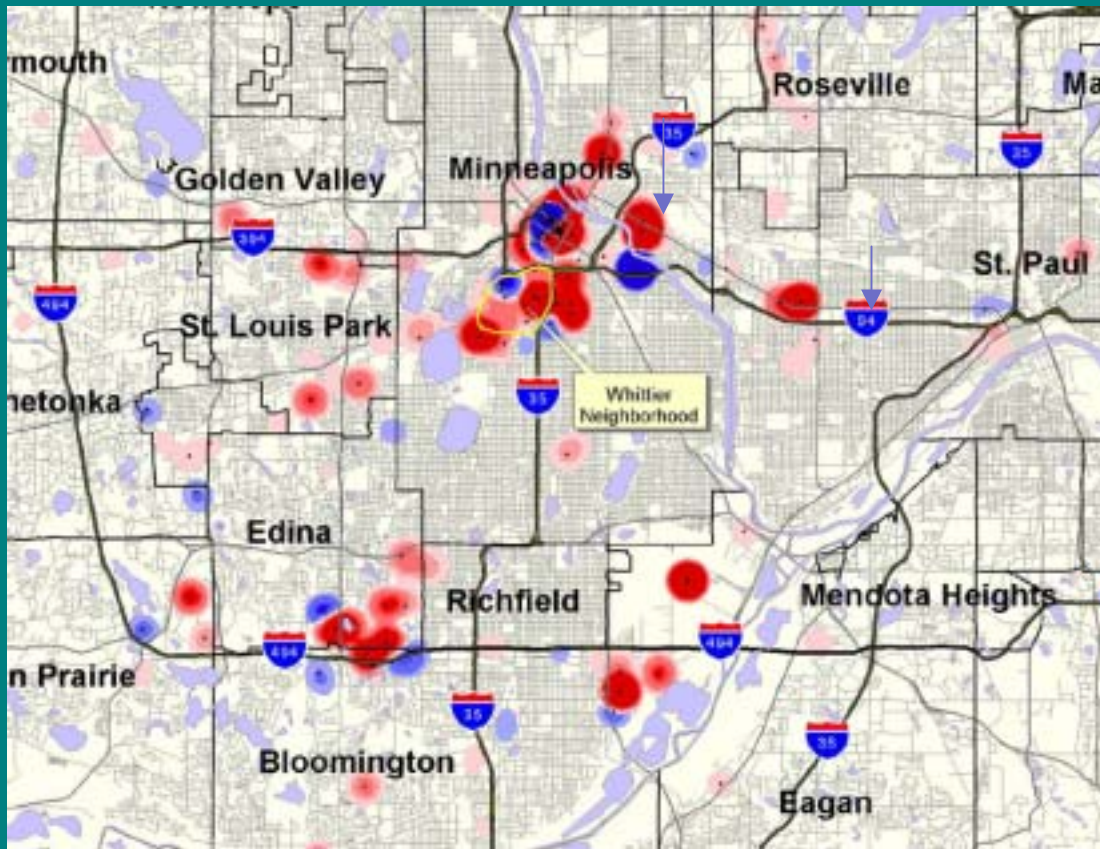
Date Stamp

Source: LED Worker Origin/Destination Minnesota Database (2001-2002)



# Sample Employment Shift Map

Whittier Neighborhood 2001 to 2002



- Displays workplace blocks where the number of local workers increased (in red) and decreased (in blue) from 2001 to 2002.
- Area defined using “pencil” draw tool & associated census blocks
- Dimensioned points show areas where shifts of 10 or more local workers occurred.



# Sample Employment Shift Map

## Whittier Neighborhood



- Close-in view showing workplace blocks (including Downtown Minneapolis) where Whittier workers are increasing (yellow on red) or decreasing (yellow on blue) in number.

# Employment Shift Report Template

## Commute Shed Profile Report - Worker Destinations and Workforce Characteristics

State Name > County Name > City or MCD Name > Custom Area Name

### Where Workers are Employed

	2002		2001		2002-2001	
	Count	Share	Count	Share	Change	Pct.
Number of Employers						-- %
Workers (Primary Job)		100%		100%		-- %
Live and Work						
* In the same County		-- %		-- %		-- %
* In the same City/Township		-- %		-- %		-- %
Places Supplying the Most Workers						
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* Place #1 (autofill)		-- %		-- %		-- %
* All other cities ( <a href="#">click for list</a> )		-- %		-- %		-- %

### Local Labor Market

Employment (Primary)				-- %
Residents Employed In-Area				-- %
Local Labor Utilization	-- %	-- %		

### Resident Workforce Characteristics

	2002		2001		2002-2001	
	Count	Share	Count	Share	Change	Pct.
Workers (Primary Job)		100%		100%		-- %
Workers by Age						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
Workers by Wages Earned						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
Avg. annual earnings	\$		\$		\$	-- %

### Industries Employing at least 20% of Workers (2-digit NAICS)

\* 00-00 - Industry Descriptor      \* 00-00 - Industry Descriptor  
\* 00-00 - Industry Descriptor

[Definitions, Sources and Disclaimers \(Click here\)](#)

**Download to  
Spreadsheet**

Note: Worker counts are based on the location of a worker's highest paying job during the indicated year.

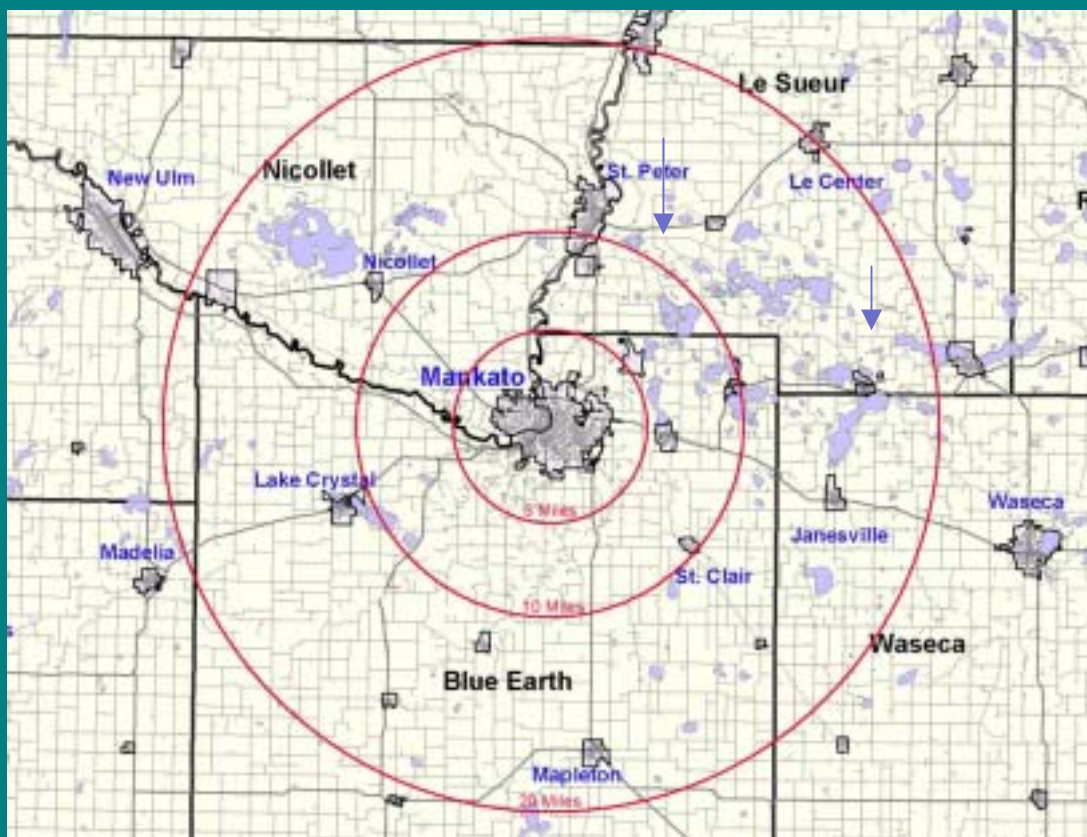
Date Stamp

Source: LED Worker Origin/Destination Minnesota Database (2001-2002)

Same layout as the commute shed report

# Sample Concentric Circle Map

Mankato, MN (5, 10, 20 Mile Rings)



- Displays concentric rings from center of selected area or location.
- The city was selected by clicking on the map.
- The ring overlay can be placed on top of any other map (e.g., labor shed)
- A specific report is generated showing workforce characteristics within each ring segment (5, 10, 20 mile portions.) Distances are user-defined.

# Concentric Circle Report Template

## Concentric Circles Profile Report - Workplace and Residential Worker Characteristics

State Name > County Name > City or MCD Name > Custom Area Name

### Worker Characteristics - Ring Area Totals

	Up to 5 Miles				Up to 10 Miles				Up to 20 Miles			
	2002 Count	2001 Count	2001-2002 Change	Pct.	2002 Count	2001 Count	2001-2002 Change	Pct.	2002 Count	2001 Count	2001-2002 Change	Pct.
<b>Number of Employers</b>				-- %				-- %				-- %
<b>Workers (Primary Job)</b>				-- %				-- %				-- %
<b>Workers by Age</b>												
* Under age 30				-- %				-- %				-- %
* Age 30 to 54				-- %				-- %				-- %
* Age 55 or older				-- %				-- %				-- %
<b>Workers by Wages Paid</b>												
* Under \$15K				-- %				-- %				-- %
* \$15K to \$39K				-- %				-- %				-- %
* \$40K or more				-- %				-- %				-- %
<i>Avg. monthly wages paid</i>	\$	\$	\$	-- %	\$	\$	\$	-- %	\$	\$	\$	-- %
<b>Employment Area Growth Indicators</b>												
* New Hires (2nd Quarter)				-- %				-- %				-- %
<i>Mean monthly earnings</i>	\$	\$	\$	-- %	\$	\$	\$	-- %	\$	\$	\$	-- %
* Separations (2nd Quarter)				-- %				-- %				-- %
<i>Mean monthly earnings</i>	\$	\$	\$	-- %	\$	\$	\$	-- %	\$	\$	\$	-- %
<b>Industries with at least 20% of Workers</b>												
	* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor			
	* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor			
	* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor			
<b>Resident Workforce Characteristics</b>												
<b>Workers (Primary Job)</b>				-- %				-- %				-- %
<b>Workers by Age</b>												
* Under age 30				-- %				-- %				-- %
* Age 30 to 54				-- %				-- %				-- %
* Age 55 or older				-- %				-- %				-- %
<b>Workers by Wages Earned</b>												
* Under \$15K				-- %				-- %				-- %
* \$15K to \$39K				-- %				-- %				-- %
* \$40K or more				-- %				-- %				-- %
<i>Avg. annual earnings</i>	\$	\$	\$	-- %	\$	\$	\$	-- %	\$	\$	\$	-- %
<b>Industries with at least 20% of Workers</b>												
	* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor			
	* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor			
	* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor				* 00-00 - Industry Descriptor			

[Definitions, Sources and Disclaimers \(Click here\)](#)

**Download to  
Spreadsheet**

Note: Worker counts are based on the location of a worker's highest paying job during the indicated year.

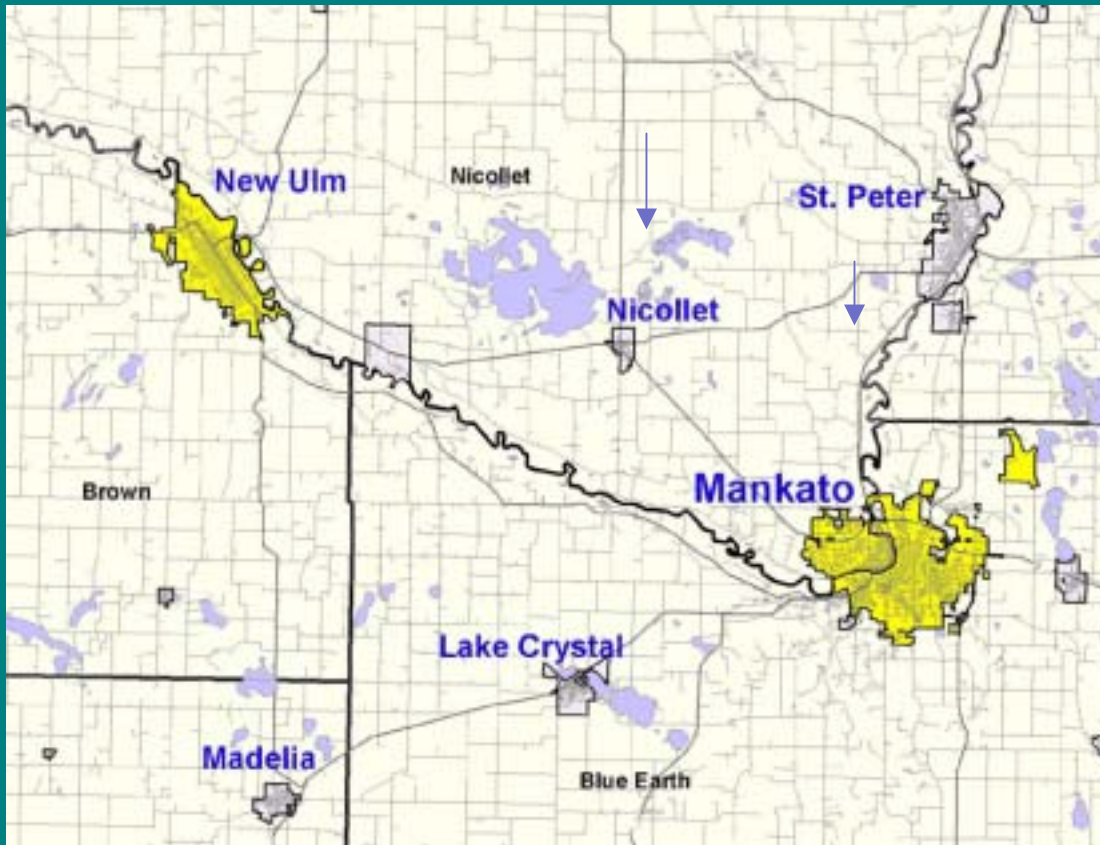
Date Stamp

Source: LED Worker Origin/Destination Minnesota Database (2001-2002)



# Sample of Interdependencies Map

## Mankato and New Ulm, Minnesota



- Displays the two areas for shared labor market profiling
- The cities selected by clicking on the map.
- This map may be used as an overlay onto other maps (e.g., labor shed)
- A specific report is generated showing overall characteristics for the two cities and counts of workers living in one community and working in the other.

# Area Interdependencies Report Template

## Labor Market Interdependencies Report - Shared Workers

State Name > County Name > City or MCD Name > Custom Area Name #1

### Workers Characteristics - Employed In-Area

	2002		2001		2001-2002	
	Count	Share	Count	Share	Change	Pct.
<b>Number of Employers</b>						-- %
<b>Workers (Primary Job)</b>		100%		100%		-- %
<b>Workers by Age</b>						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
<b>Workers by Wages Paid</b>						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
<i>Avg. monthly wages paid</i>	\$		\$		\$	-- %
<b>Employment Area Growth Indicators</b>						
* New Hires (2nd Quarter)		-- %		-- %		-- %
<i>Mean monthly earnings</i>	\$		\$		\$	-- %
* Separations (2nd Quarter)		-- %		-- %		-- %
<i>Mean monthly earnings</i>	\$		\$		\$	-- %

#### Industries Employing at least 20% of Workers (2-digit NAICS)

\* 00-00 - Industry Descriptor      \* 00-00 - Industry Descriptor  
\* 00-00 - Industry Descriptor

### Resident Workforce Characteristics

	2002		2001		2001-2002	
	Count	Share	Count	Share	Change	Pct.
<b>Workers (Primary Job)</b>		100%		100%		-- %
<b>Workers by Age</b>						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
<b>Workers by Wages Earned</b>						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
<i>Avg. annual earnings</i>	\$		\$		\$	-- %

#### Industries Employing at least 20% of Workers (2-digit NAICS)

\* 00-00 - Industry Descriptor      \* 00-00 - Industry Descriptor  
\* 00-00 - Industry Descriptor

### Workers From Area #2

**Workers (Primary Job)**      -- %      -- %      -- %  
(Shows number and percent of Area #1 employment held by Area #2 workers)

State Name > County Name > City or MCD Name > Custom Area Name #2

### Workers Characteristics - Employed In-Area

	2002		2001		2001-2002	
	Count	Share	Count	Share	Change	Pct.
<b>Number of Employers</b>						-- %
<b>Workers (Primary Job)</b>		100%		100%		-- %
<b>Workers by Age</b>						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
<b>Workers by Wages Paid</b>						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
<i>Avg. monthly wages paid</i>	\$		\$		\$	-- %
<b>Employment Area Growth Indicators</b>						
* New Hires (2nd Quarter)		-- %		-- %		-- %
<i>Mean monthly earnings</i>	\$		\$		\$	-- %
* Separations (2nd Quarter)		-- %		-- %		-- %
<i>Mean monthly earnings</i>	\$		\$		\$	-- %

#### Industries Employing at least 20% of Workers (2-digit NAICS)

\* 00-00 - Industry Descriptor      \* 00-00 - Industry Descriptor  
\* 00-00 - Industry Descriptor

### Resident Workforce Characteristics

	2002		2001		2001-2002	
	Count	Share	Count	Share	Change	Pct.
<b>Workers (Primary Job)</b>		100%		100%		-- %
<b>Workers by Age</b>						
* Under age 30		-- %		-- %		-- %
* Age 30 to 54		-- %		-- %		-- %
* Age 55 or older		-- %		-- %		-- %
<b>Workers by Wages Earned</b>						
* Under \$15K		-- %		-- %		-- %
* \$15K to \$39K		-- %		-- %		-- %
* \$40K or more		-- %		-- %		-- %
<i>Avg. annual earnings</i>	\$		\$		\$	-- %

#### Industries Employing at least 20% of Workers (2-digit NAICS)

\* 00-00 - Industry Descriptor      \* 00-00 - Industry Descriptor  
\* 00-00 - Industry Descriptor

### Workers From Area #1

**Workers (Primary Job)**      -- %      -- %      -- %  
(Shows number and percent of Area #2 employment held by Area #3 workers)

[Definitions, Sources and Disclaimers \(Click here\)](#)

[Download to Spreadsheet](#)

*Note:* Worker counts are based on the location of a worker's highest paying job during the indicated year.

Date Stamp

Source: LED Worker Origin/Destination Minnesota Database (2001-2002)

# Exports & Downloads

- Labor Market Maps
  - Export as JPEG image or PDF.
- Reports
  - Export as JPEG image or PDF
  - Download summary data file to an EXCEL spreadsheet

# Data Filtering

The map overlay can be redrawn based on the travel characteristics of a subset of workers. By selecting from this list of attributes a modified map will be displayed for workers in blocks with these attributes:

- **Worker Ages**

*(Keep within the selected map area only those census blocks where the largest group of workers is in this age category. Leave unchecked if no filtering is needed.)*

- Under age 30
- Age 30 to 54
- Age 55 or older

- **Annual Wages Earned Per Worker**

*(Keep within the selected map area only those census blocks where the largest group of workers is in this earnings category. Leave unchecked if no filtering is needed.)*

- Under \$15,000
- \$15,000 to \$29,999
- \$30,000 or more

- **Average Annual Wages Earned**

*(Keep within the selected map area only those census blocks where average earnings are within the specified range. Leave unchecked if no filtering is needed.)*

- |                      |                    |
|----------------------|--------------------|
| ○ Less than \$15,000 | ○ \$25,000 or more |
| ○ Less than \$20,000 | ○ \$30,000 or more |
| ○ Less than \$25,000 | ○ \$35,000 or more |
| ○ Less than \$30,000 | ○ \$40,000 or more |
| ○ Less than \$35,000 | ○ \$45,000 or more |
| ○ Less than \$40,000 | ○ \$50,000 or more |

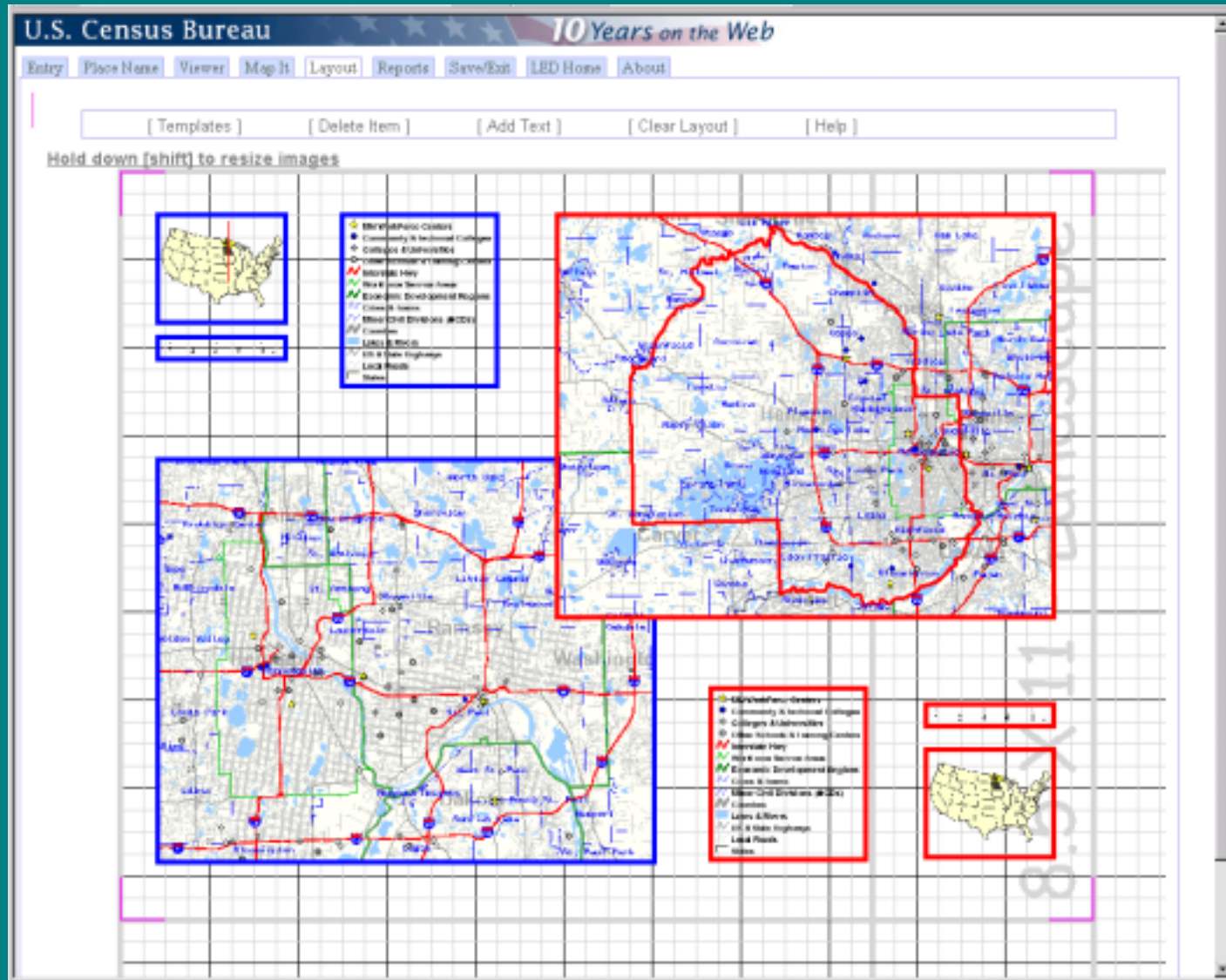
- **Dominant Industry or Industries (2-digit NAICS codes)**

*(Keep within the selected map area only those census blocks where the dominant industries are among those chosen. Leave unchecked if no filtering is needed.)*

- |   |  |
|---|--|
| ○ 11 – Agriculture, Forestry, Fishing & Hunting | ○ 54 – Professional, Scientific & Technical Services |
| ○ 21 – Mining                                   | ○ 55 – Management of Companies/Enterprises           |
| ○ 22 – Utilities                                | ○ 56 – Administration, Support & Waste Management    |
| ○ 23 – Construction                             | ○ 61 – Educational Services                          |
| ○ 31-33 – Manufacturing                         | ○ 62 – Health Care & Social Assistance               |
| ○ 42 – Wholesale Trade                          | ○ 71 – Arts, Entertainment & Recreation              |
| ○ 44-45 – Retail Trade                          | ○ 72 – Accommodation & Food Services                 |
| ○ 48-49 – Transportation & Warehousing          | ○ 81 – Other Services (excl. Public Admin.)          |
| ○ 51 – Information                              | ○ 92 – Public Administration                         |
| ○ 52 – Finance & Insurance                      |  |
| ○ 53 – Real Estate, Rental & Leasing            |  |



# Print Layout



# Save Session

**Current session history settings can be saved for use during another online mapping session. History settings are saved with a date stamp and your email address. At a later session, these settings can be loaded or deleted from the “Load History” tab on the application entry page.**

Enter an email address (*The address is used to store the settings*)

Save  
Settings

# Archive – Map Gallery

- Compendium of maps and reports for common areas and locations
  - Map image
  - Description and author
  - Session marker
  - Marker offers capability to replicate the map in real time form and make revisions or changes to the map

# Online Help System

- Chapter format (Microsoft model)
  - Search all help screens
  - Compiled by tab
- Help tags
  - Attached to tabs, controls & tools, and dialog boxes
  - Clicking the help tag opens up a new window with help for that specific task or function